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Docket No. 14399-1PCT

IN THE UNITED STATES RECEIVING OFFICE

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US04/007434	10 March 2004	10 March 2003

TITLE OF INVENTION

VAULT AND VAULT-LIKE CARRIER MOLECULES

APPLICANT(S)

REGENTS OF THE UNIVERSITY OF CALIFORNIA, THE

REQUEST FOR RECTIFICATION UNDER RULE 91.1(d)

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Sigfried Hostad, Authorized Officer

Dear Sir:

Applicant hereby requests rectification of the above-identified International Application to correct an error in the numbering of the claims as set forth in the attached substitute sheet, where the second occurrence of claim 42 has been renumbered as claim 43 on page 27, line 4, of the application.

No fee is believed due in connection with this communication. However, if any fee is due, please deduct it from Deposit Account No. 19-2090.

Respectfully submitted,

Date: June 23, 2004

By: 

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42. The vault-like particle of claim 39, where the modification comprises adding an amino acid sequence added to both the C-terminal and the N-terminal of the VPARP or portion of VPARP.

5 43. The vault-like particle of claim 36, where the modified MVP comprises an amino acid sequence added to the C-terminal of the MVP.

44. The vault-like particle of claim 36, where the modified MVP comprises an amino acid sequence added to the N-terminal of the MVP.

45. The vault-like particle of claim 36, where the modified MVP comprises both a peptide added to the C-terminal and a peptide added to the N-terminal.

10 46. A method of preventing damage by one or more than one substance to an organism, to a specific tissue, to specific cells, or to an environmental medium, by sequestering the one or more than one substance within a vault-like particle, comprising:

a) providing vault-like particles;

15 b) administering the vault-like particles to the organism, tissue, cells or environmental medium; and

c) allowing the vault-like particles to sequester the one or more than one substance within the vault-like particles.

47. The method of claim 46, where the one or more than one substance is a heavy metal selected from the group consisting of cadmium, copper, gold and mercury.

20 48. The method of claim 46, where the one or more than one substance is a toxin selected from the group consisting of arsenate, dioxin, an organochlorine, a pentachlorophenol and a polychlorinated biphenyl.

49. The method of claim 46, where providing the vault-like particles comprises expressing the vault-like particles in a eukaryotic organism.

25 50. A method of delivering one or more than one substance to an organism, to a specific tissue, to specific cells, or to an environmental medium, comprising:

a) providing vault-like particles comprising the one or more than one substance; and

b) administering the vault-like particles comprising the one or more than one substance to the organism, tissue, cells or environmental medium.

30 51. The method of claim 50, where the vault-like particles comprise, consist essentially of or consist of a modified MVP in addition to the one or more than one substance.